

CLAIM AMENDMENTS

Please cancel claim 1 without prejudice, amend claims 24-26, 28, 29 and 33-37 and add new claims 38-60 as indicated in the following list of the pending claims.

PENDING CLAIMS

- 1-23 (Cancelled)
24. (Currently Amended) A stent assembly, comprising:
- a. a stent having an expandable tubular body formed of a plurality of interconnected ring sections with at least one of the ring sections having ~~an undulated structure and at least one connecting~~ interconnecting member extending between ~~the undulated structure~~ a first ring section and an adjacent ring section; and
 - b. a stent cover disposed in part about the stent having an end cover section disposed under ~~at least one undulation of a~~ the first ring section with an ~~undulated structure and on at least one connecting member extending between the undulation structure and an adjacent ring section.~~

25. (Currently Amended) The stent assembly of claim 24 wherein ~~the~~ first ring section ~~having~~ has an undulated structure and is disposed at one end of the tubular body.

26. (Currently Amended) The stent assembly of claim 25 wherein a first end cover section of the stent cover is secured under undulations of the first ring section.

27. (Previously Presented) The stent assembly of claim 24 wherein a second ring section having an undulated structure is disposed at a second end of the tubular body.

28. (Currently Amended) The stent assembly of claim 27 wherein a second end cover section of the stent cover is secured under undulations of the second ring section.

29. (Currently Amended) The stent assembly of claim 24 wherein at least one ~~connecting~~ interconnecting member is provided with a cover connector to secure the stent cover to the tubular body.

30. (Previously Presented) The stent assembly of claim 29 wherein the cover connector has at least one penetrating member for penetrating the stent cover.

31. (Previously Presented) The stent assembly of claim 30 wherein the cover connector is oriented transverse to a longitudinal axis of the tubular body.

32. (Previously Presented) The stent assembly of claim 30 wherein the cover connector is oriented parallel to a longitudinal axis of the tubular body.

33 (Currently Amended) The stent assembly of claim 29 wherein the cover connector has at least one eyelet configured to receive ~~[[as]]~~ a suture to secure the stent cover to the tubular stent body.

34. (Currently Amended) A stent assembly, comprising:

- a. a stent having an expandable tubular body formed of a plurality of interconnected ring sections with a first ring section ~~at one end of the tubular body~~ having an undulated structure, a second ring section at ~~another end of the tubular body~~, at least one additional ring section between the first and the second ring sections and at least one ~~connecting~~ interconnecting member extending between each the first ring section and an adjacent ring section; and
- b. a stent cover disposed in part about the stent having a first end cover section under undulations at least a portion of the first ring section of the stent and on the exterior of ~~the connecting~~ an interconnecting member between the first ring section and an adjacent ring section~~[[,]] a second end cover section and an intermediate cover section between the first and second end cover sections.~~

35. (Currently Amended) The stent assembly of claim 34 wherein the stent cover has a second end cover section ~~is between undulations of~~ under the second ring section ~~and on underlying portions of the second ring section.~~

36. (Currently Amended) The stent assembly of claim 34 wherein a plurality of ~~connectors~~ interconnecting members extend between the first ring section ~~[[to]]~~ and an adjacent ~~intermediate~~ ring section.

37. (Currently Amended) The stent assembly of claim 34 wherein a plurality of ~~connecting~~ interconnecting members extend between the second ring section and an adjacent ~~intermediate~~ ring section.

38. (New) The stent of claim 1 wherein at least one of the interconnecting members is an elongated bar.

39. (New) The expandable tubular stent body of claim 24 wherein at least one of the interconnecting members is an elongated bar.

40. (New) A stent assembly, comprising:

- a) an expandable tubular stent body which has a first end and a second end and a plurality of interconnected cylindrical wall sections including a first cylindrical wall section, a second cylindrical wall section, and at least one intermediate cylindrical wall section between the first and second cylindrical wall sections, and at least one interconnecting member

extending between the first cylindrical wall section and a longitudinally adjacent intermediate cylindrical wall section; and

- b) a stent cover which is at least in part disposed on an exterior portion of the at least one intermediate cylindrical wall section and which has a first end secured under a portion of the first cylindrical wall section.

41. (New) The stent assembly of claim 40 wherein the first end of the stent cover is disposed under at least part of the first cylindrical wall section and on top of at least part of the at least one interconnecting member extending between the first cylindrical wall section and the adjacent intermediate cylindrical section.

42. (New) The stent assembly of claim 40 wherein the stent cover has a second end secured under a portion of the second cylindrical wall section.

43. (New) The stent assembly of claim 42 wherein the second end of the stent cover is disposed on top of an interconnecting member extending between the second cylindrical wall section and a longitudinally adjacent intermediate cylindrical section.

44. (New) The stent assembly of claim 42 wherein the stent cover is disposed on an outer surface of the longitudinally adjacent intermediate cylindrical wall section.

45. (New) The stent assembly of claim 42 wherein the first cylindrical wall section has a circumferentially undulated structure.

46. (New) The stent assembly of claim 45 wherein the circumferentially undulated structure of the first cylindrical wall section has a first circumferential margin and a second circumferential margin with undulation extremities at the first and second margins.

47. (New) The stent assembly of claim 42 wherein the intermediate cylindrical wall section adjacent to the first cylindrical wall section has a circumferentially undulated structure.

48. (New) The stent assembly of claim 47 wherein the undulated structure of the first cylindrical wall section and the undulated structure of the adjacent intermediate cylindrical wall section are in phase.

49. (New) The stent assembly of claim 42 wherein the interconnecting member extends between an undulation extremity at the first margin of the first cylindrical wall section and an undulation extremity at the first margin of the adjacent intermediate cylindrical wall section.

50. (New) The stent assembly of claim 47 wherein the undulated structure of the first cylindrical wall section and the undulated structure of the adjacent intermediate cylindrical wall section are out of phase.

51. (New) The stent assembly of claim 50 wherein the interconnecting member extends between an undulation extremity at the first margin of the first

cylindrical wall section and an undulation extremity at the second margin of the adjacent intermediate cylindrical wall section.

52. (New) The stent assembly of claim 34 wherein at least one interconnecting member is configured to secure the stent cover thereto.

53. (New) The stent assembly of claim 52 wherein the interconnecting member has a penetrating element to secure the stent cover thereto.

54. (New) The stent assembly of claim 52 wherein the interconnecting member has a eyelet to facilitate securing the stent cover thereto by a suitable strand.

55. (New) The stent assembly of claim 40 wherein at least one of the interconnecting members is an elongated bar.

56. (New) A method of treating a sephanous vein graft connected to a patient's coronary vasculature and in fluid communication therewith, comprising:

- a. providing a covered stent having a tubular stent body which has a leading distal end, a proximal end, a plurality of interconnected cylindrical wall sections including a first cylindrical wall section, a second cylindrical wall section, and at least one intermediate cylindrical wall section between the first and second cylindrical wall sections, and at least one connecting member extending between the first cylindrical wall section and a longitudinally adjacent intermediate cylindrical wall section and which has

a stent cover disposed at least in part on an exterior portion of the expandable tubular stent body with a first end secured to the first cylindrical wall section;

- b. disposing the covered stent within at least a portion of the sephanous vein graft connected to and in fluid communication with the patient's coronary vasculature; and
- c. expanding the covered stent within at least a portion of the sephanous vein graft to secure the covered stent therein.

57. (New) The method of claim 56 wherein the first cylindrical wall section is at the leading distal end of the tubular stent body.

58. (New) The method of claim 57 wherein the first end of the stent cover is disposed at least in part under the first cylindrical wall section.

59. (New) The method of claim 56 wherein the first cylindrical wall section has an undulated structure.

60. (New) The method of claim 59 wherein the first end of the stent cover is at least in part disposed under the undulated structure of the first cylindrical wall section.